

WHAT IS CLAIMED IS:

1. A video data recording apparatus comprising:

a first encode control section which uses
an encoder to encode broadcasted video data;

5 a first recording section which records the
encoded video data;

a decoder which decodes the video data recorded in
the first recording section;

a broadcasting system conversion section which
10 converts the decoded video data to video data of
a broadcasting system other than that of the video
data;

a second encode control section which uses
the encoder to encode the video data of the other
15 broadcasting system converted by the broadcasting
system conversion section; and

a second recording section which records the
encoded video data of the other broadcasting system.

2. The video data recording apparatus according
20 to claim 1, further comprising:

a selection section which selects one of the
broadcast video data and the video data of the other
broadcasting system converted by the broadcasting
system conversion section,

25 wherein the first encode control section selects
the broadcast video data by the selection section, and
the second encode control section selects the video

data of the other broadcasting system by the selection section.

3. The video data recording apparatus according to claim 2, further comprising:

5 a data supplement section which supplements the video data selected by the selection section to supply standard video data of the same broadcasting system as that of the selected video data.

10 4. The video data recording apparatus according to claim 3, wherein the data supplement section includes a PAL system data supplement section which supplements PAL system video data, and an NTSC system data supplement section which supplements NTSC system video data.

15 5. The video data recording apparatus according to claim 3, wherein the data supplement section detects the broadcasting system of input video data to supplement the data in accordance with the detected broadcasting system.

20 6. The video data recording apparatus according to claim 5, wherein the data supplement section detects a synchronous data interval of the input video data to detect the broadcasting system of the input video data.

25 7. The video data recording apparatus according to claim 1, wherein the broadcasting system conversion section includes a PAL/NTSC conversion section and an NTSC/PAL conversion section.

8. The video data recording apparatus according to claim 1, wherein the first recording section includes a hard disc drive, and the second recording section includes a DVD recorder.

5 9. The video data recording apparatus according to claim 1, further comprising:

 an image generation section which generates an OSD image indicating a conversion operation state in a first broadcasting system, when the broadcasting
10 system conversion section converts the first broadcasting system video data into second broadcasting system video data.

 10. The video data recording apparatus according to claim 9, wherein the image generation section
15 synthesizes the second broadcasting system video data supplied by the broadcasting system conversion section with the OSD image.

 11. The video data recording apparatus according to claim 2, further comprising: a second selection
20 section which selects one of the video data outputted from the broadcasting system conversion section and the MPEG decoder to supply the video data to the selection section.

 12. The video data recording apparatus according to claim 2, further comprising:

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 a video encoder which converts digital video data into an analog video signal; and

a second selection section including a first mode to supply the video data outputted from the broadcasting system conversion section to the selection section and the video encoder and a second mode to
5 provide the video data outputted from the broadcasting system conversion section to the selection section and to supply the video data outputted from the decoder to the video encoder.

13. A video data recording method comprising:

10 using an encoder to encode broadcast video data;
recording the encoded video data in a first recording medium;

decoding the video data recorded in the first recording medium;

15 converting the decoded video data to video data of a broadcasting system other than that of the video data;

using the encoder to encode the video data of the other broadcasting system; and

20 recording the encoded video data of the other broadcasting system in a second recording medium.